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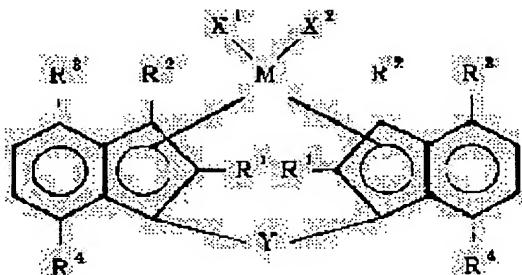
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(54) POLYPROPYLENE COMPOSITION

(57)Abstract:

PURPOSE: To obtain a composition excellent in flexibility, impact resistance and heat resistance by mixing a polypropylene with a propylene-1-butene or -ethylene elastomer produced by using a specified metallocene compound catalyst.

CONSTITUTION: This polypropylene composition comprises 5–95wt.% polypropylene A and 5–5wt.% base polypropylene elastomer B. Component B is an elastomer having a specified molecular structure in which the triad tacticity and stereoregularity of a propylene chain composed of head-to-tail bonds are high, and prepared by copolymerizing 50–95mol% propylene with 5–50mol% 1-butene or ethylene in the presence of a catalyst, e.g. a combination of a metallocene compound represented by the formula (wherein M is a group IVa, Va or VIa transition metal; R¹ and R² are each H, halogen, a hydrocarbon group or the like; R³ is a 3–20C alkyl or an aromatic group; R⁴ is H or a 1–20C alkyl; X¹ and X² are each H, a halogen, a 1–20C hydrocarbon or the like; and Y is a 1–20C hydrocarbon group or the like especially desirably an alkylsilylene or the like) with an organoaluminuoxo compound.



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